

From: [Miller, Garyg](#)
To: [Satya Dwivedula](#); [Bob Allen](#); [Linda Henry](#); [Garry McMahan](#); [Leah Oberlin \(loberlin@poha.com\)](#)
Cc: [Sanchez, Carlos](#); [Leos, Valmichael](#)
Subject: FW: SJRWP-photos of cap liner exposure 6/11/15
Date: Saturday, June 13, 2015 8:09:52 AM
Attachments: [11June2015 Harris Co Incident_1535_150612.pdf](#)

Folks,

Please see description & pictures provided by the San Jacinto PRPs; Valmichael & I will be at the site Monday morning for an inspection.

Regards,

Gary Miller

EPA Remedial Project Manager

214-665-8318

miller.garyg@epa.gov

From: David Keith [mailto:dkeith@anchorqea.com]

Sent: Friday, June 12, 2015 6:45 PM

To: Miller, Garyg; Leos, Valmichael; Sanchez, Carlos

Cc: Dave Moreira (dmoreira@wm.com); Phil Slowiak; Wendell Mears; John Verduin; John Laplante; Holly Samaha

Subject: RE: SJRWP-photos of cap liner exposure 6/11/15

Hi Gary - As we discussed this morning, we went back through our construction reports and photos and also had Holly Samaha, an engineer out of our Houston Office inspect the area referred to and photographed by Bob Allen. Our findings are consistent with what I relayed to you verbally this morning: the area under question was a stockpile area during construction of the original cap, and during cap maintenance and enhancement activities, and it has several layers of armor and geotextile including the following:

1. Geotextile and aggregate were used to install a ramp into the western cell and also provide an area for armor stone stockpiling during construction
2. Second and third geotextile layers were installed below and above the geomembrane used in the western cell and all of these layers extended into the area of concern. An armored rock surface was placed over the area after installation of the geotextile and geomembrane layers
3. Finally, we had the contractor lap geotextile over the central and southern berms in the stockpile area (which is coincident with the area of concern) after the armor rock in item 2 above was placed. That final geotextile layer was also covered by the rock stockpile area. The purpose of that geotextile layer was to protect the geomembrane from any potential impacts of equipment working in the stockpile area during construction. The geotextile and armor rock that is remaining as the top layer in the area of concern has continued to function as the stockpile area for cap O&M activities.

The attached PDF file shows the area of concern and a sequence of construction photos with captions documenting the installation of the different geotextile layers and armor rock. What Mr. Allen observed was small patches of the final layer of geotextile that is underlain by at least two layers of armor rock, additional layers of geotextile, and a layer of geomembrane.

Based on our conversation this morning, I understand that you and Valmichael are planning on conducting a Site visit on early next week. Wendell Mears, one of our engineers that was involved in



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the design and construction of the cap is available to meet you there to go through any additional details and inspect the Site with you. Please let us know as soon as is practical what your final plans are and Wendell will arrange his trip based on your schedule.

Please don't hesitate to contact me if you would like to discuss anything.

Thank you,

David Keith

-----Original Message-----

From: Miller, Garyg [<mailto:Miller.Garyg@epa.gov>]

Sent: Thursday, June 11, 2015 4:51 PM

To: Valmichael Leos; Sanchez, Carlos

Cc: David Keith

Subject: FW: SJRWP-photos of cap liner exposure 6/11/15

Valmichael, Carlos,

FYI - just received these pictures from Harris County - they were at the site this morning for the site visit & found these areas of exposed geotextile; they appear to be small areas, but we should do an inspection as soon as possible with the PRPs to see if there are any additional areas & determine scope of repair work.

Thanks,

Gary Miller

EPA Remedial Project Manager

214-665-8318

miller.garyg@epa.gov

-----Original Message-----

From: Allen, Bob (PCS) [<mailto:Bob.Allen@pcs.hctx.net>]

Sent: Thursday, June 11, 2015 3:53 PM

To: Miller, Garyg

Subject: SJRWP-photos of cap liner exposure 6/11/15

Gary,

Pics of exposed cap liner taken by Pollution Control on 6/11/15. All three spots are in the same general area on the center berm near the site entrance marked with a blue milk crate.

BA